


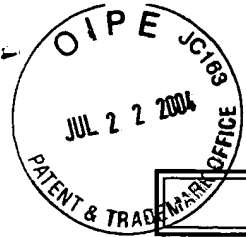


Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 65083
Application ID: 10043808 
Title of Invention: Simulating Euclidean wiring
directions using Manhattan and
diagonal directional wires
First Named Inventor: Steven Teig
Domestic/Foreign Application: Domestic Application
Filing Date: 2002-01-11
Effective Receipt Date: 2004-07-22
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 9068
Attorney Docket Number: SPLX.P0008

Total Fees Authorized: 180.0
Payment Category: Credit Card
Credit Card Number: *****7556
Expiration Date: 08312004
Card Holder Name: Mani Adeli
Postal Code: 94303
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-07-22
RAM Sequence Number: 1084066


Digital Certificate Holder: cn=Mani Adeli,ou=Registered Attorneys,ou=Patent and Trademark
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TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

| Title of Invention | Simulating Euclidean wiring directions using Manhattan and diagonal directional wires | | | | | | | | | | | | | | | |
|--|---|----------------|---------------------------|-------------|----------------|---|--------------|------------------|--|------------------|--------|-----------------------|--|------------|--|------------|
| <p>Application Number: 10/043808 </p> <p>Date: 2002-01-11</p> <p>First Named Applicant: Steven Teig</p> <p>Confirmation Number: 9068</p> <p>Attorney Docket Number: SPLX.P0008</p> | | | | | | | | | | | | | | | | |
| <p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Mani Adeli Registered Number: 39,585</td><td>/Mani Adeli/</td><td>Attorney</td></tr></tbody></table> | | | Submitted by: | Elec. Sign. | Sign. Capacity | Mani Adeli Registered Number: 39,585 | /Mani Adeli/ | Attorney | | | | | | | | |
| Submitted by: | Elec. Sign. | Sign. Capacity | | | | | | | | | | | | | | |
| Mani Adeli Registered Number: 39,585 | /Mani Adeli/ | Attorney | | | | | | | | | | | | | | |
| <table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>SPLX.P0008-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xsl</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>SPLX.P0008-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table> | | | Documents being submitted | Files | us-fee-sheet | SPLX.P0008-usfees.xml | | us-fee-sheet.xsl | | us-fee-sheet.dtd | us-ids | SPLX.P0008-usidst.xml | | us-ids.dtd | | us-ids.xsl |
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| | us-ids.dtd | | | | | | | | | | | | | | | |
| | us-ids.xsl | | | | | | | | | | | | | | | |

Comments


This Information Disclosure Statement is submitted after receipt of a first Office Action on the merits but before the Final Office Action. Accordingly, a fee is required. The requisite fee is included with this electronic submission of the Information Disclosure Statement. Applicants hereby request that the one submitted fee be accepted for the second and any subsequent submission.

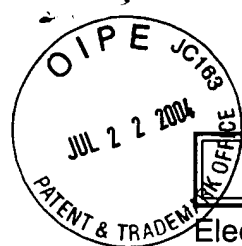


FEE TRANSMITTAL

Electronic Version v08

Stylesheet Version v08.0


| Title of Invention | Simulating Euclidean wiring directions using Manhattan and diagonal directional wires | | | | | | | | | | |
|--|--|-----------|-------------|-----------------|----------|-----------|-------------|---|------|-----|-----|
| Application Number: 10/043808  | | | | | | | | | | | |
| Date: 2002-01-11 | | | | | | | | | | | |
| First Named Applicant: Steven Teig | | | | | | | | | | | |
| Attorney Docket Number: SPLX.P0008 | | | | | | | | | | | |
| Art Unit: 2818 | | | | | | | | | | | |
| Examiner: Dao H. Nguyen | | | | | | | | | | | |
| TOTAL FEE AUTHORIZED \$180 | | | | | | | | | | | |
| Patent fees are subject to annual revisions on or about October 1st of each year. | | | | | | | | | | | |
| BASIC FILING FEE | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table> | | | | Fee Description | Fee Code | Amount \$ | Fee Paid \$ | Submission Of Information Disclosure Stmt Fee | 1806 | 180 | 180 |
| Fee Description | Fee Code | Amount \$ | Fee Paid \$ | | | | | | | | |
| Submission Of Information Disclosure Stmt Fee | 1806 | 180 | 180 | | | | | | | | |
| AUTHORIZED BILLING INFORMATION | | | | | | | | | | | |
| The commissioner is hereby authorized to charge indicated fees and credit any overpayments to: | | | | | | | | | | | |
| Credit account number: 7556 | | | | | | | | | | | |
| Expiration Date (YYYYMMDD): 2004-08-31 | | | | | | | | | | | |
| Authorized name: Mani Adeli | | | | | | | | | | | |
| Billing address: 94303 | | | | | | | | | | | |



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention | Simulating Euclidean wiring directions using Manhattan and diagonal directional wires | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------|------------|-----------------|------|-------|----------|------|----------|------------|------|----------|------|-------|----------|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|-------|--|--|--|--|---|---------|------------|---------------|--|--|--|--|---|---------|------------|---------------|--|--|--|--|---|---------|------------|-----|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|--------|--|--|--|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|------|--|--|--|--|----|---------|------------|-------------|--|--|--|--|----|---------|------------|-----------------|--|--|--|--|----|---------|------------|-----------------|--|--|--|
| <p>Application Number: 10/043808 </p> <p>Confirmation Number: 9068</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0008</p> <p>Art Unit: 2818</p> <p>Examiner: Dao H. Nguyen</p> <p>Search string: (4782193 or 4855253 or 5541005 or 5635736 or 5637920 or 5640327 or 5646830 or 5689433 or 5784289 or 5801385 or 5811863 or 5822214 or 5880969 or 5889329 or 5980093 or 6111756 or 6260183 or 6263475 or 6301686 or 6307256 or 6316838 or 6324674 or 6412097 or 6448591 or 6516455 or 6645842 or 20010009031 or 20020069397 or 20030025205).pn.</p> <h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4782193</td><td>1988-11-01</td><td>Linsker</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4855253</td><td>1989-08-08</td><td>Weber</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5541005</td><td>1996-07-30</td><td>Bezama et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5635736</td><td>1997-06-03</td><td>Funaki et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5637920</td><td>1997-06-10</td><td>Loo</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5640327</td><td>1997-06-17</td><td>Ting</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5646830</td><td>1997-07-08</td><td>Nagano</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>5689433</td><td>1997-11-18</td><td>Edwards</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>5784289</td><td>1998-07-21</td><td>Wang</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>5801385</td><td>1998-09-01</td><td>Endo et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>5811863</td><td>1998-09-22</td><td>Rostoker et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>12</td><td>5822214</td><td>1998-10-13</td><td>Rostoker et al.</td><td></td><td></td><td></td></tr></tbody></table> | | | | | | | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | 1 | 4782193 | 1988-11-01 | Linsker | | | | | 2 | 4855253 | 1989-08-08 | Weber | | | | | 3 | 5541005 | 1996-07-30 | Bezama et al. | | | | | 4 | 5635736 | 1997-06-03 | Funaki et al. | | | | | 5 | 5637920 | 1997-06-10 | Loo | | | | | 6 | 5640327 | 1997-06-17 | Ting | | | | | 7 | 5646830 | 1997-07-08 | Nagano | | | | | 8 | 5689433 | 1997-11-18 | Edwards | | | | | 9 | 5784289 | 1998-07-21 | Wang | | | | | 10 | 5801385 | 1998-09-01 | Endo et al. | | | | | 11 | 5811863 | 1998-09-22 | Rostoker et al. | | | | | 12 | 5822214 | 1998-10-13 | Rostoker et al. | | | |
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| | 1 | 4782193 | 1988-11-01 | Linsker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 3 | 5541005 | 1996-07-30 | Bezama et al. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 5635736 | 1997-06-03 | Funaki et al. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 6 | 5640327 | 1997-06-17 | Ting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 5646830 | 1997-07-08 | Nagano | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | 5689433 | 1997-11-18 | Edwards | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | 5784289 | 1998-07-21 | Wang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 5801385 | 1998-09-01 | Endo et al. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | 5811863 | 1998-09-22 | Rostoker et al. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | 5822214 | 1998-10-13 | Rostoker et al. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | 13 | 5880969 | 1999-03-09 | Hama et al. | |
| | 14 | 5889329 | 1999-03-30 | Rostoker et al. | |
| | 15 | 5980093 | 1999-11-09 | Jones et al. | |
| | 16 | 6111756 | 2000-08-29 | Moresco | |
| | 17 | 6260183 | 2001-07-10 | Raspopovic et al. | B1 |
| | 18 | 6263475 | 2001-07-17 | Toyonaga et al. | B1 |
| | 19 | 6301686 | 2001-10-09 | Kikuchi et al. | B1 |
| | 20 | 6307256 | 2001-10-23 | Chiang et al. | B1 |
| | 21 | 6316838 | 2001-11-13 | Ozawa et al. | B1 |
| | 22 | 6324674 | 2001-11-27 | Andreev et al. | B2 |
| | 23 | 6412097 | 2002-06-25 | Kikuchi et al. | B1 |
| | 24 | 6448591 | 2002-09-10 | Juengling | B1 |
| | 25 | 6516455 | 2003-02-04 | Teig et al. | B1 |
| | 26 | 6645842 | 2003-11-11 | Igarashi et al. | B2 |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|--------------|------|-------|----------|
| | 1 | 20010009031 | 2001-07-19 | Nitta et al. | A1 | | |
| | 2 | 20020069397 | 2002-06-06 | Teig et al. | A1 | | |
| | 3 | 20030025205 | 2003-02-06 | Shively | A1 | | |

Signature

| | |
|---------------|------|
| Examiner Name | Date |
| | |